



SEQUENCE LISTING

Huang, Wei
Hoekstra, Merl F
Lee, Sandra K
Cairns, Nicholas
Kauvar, Lawrence M
Sportsman, J Richard

<120> PHOSPHORYLATION ASSAYS

<130> LJL 354B

<140> US 09/596,444

<141> 2000-06-19

<160> 48

<170> PatentIn version 3.1

<210> 1

<211> 10

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (5)..(5)

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (10)..(10)

<223> BIOTINYLATION

<400> 1

Gly Glu Glu Gly Tyr Met Pro Met Gly Lys
1 5 10

<210> 2

<211> 17

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (1)..(1)

<223> BIOTINYLATION

<220>

<221> MOD_RES

<222> (1)..(1)

<223> AMIDATION

<400> 2

Glu Gly Pro Trp Leu Glu Glu Glu Glu Glu Ala Tyr Gly Trp Met Asp
1 5 10 15

Phe

<210> 3

<211> 8

<212> PRT

<213> Artificial

<400> 3

Asp Tyr Met Thr Met Gln Ile Gly
1 5

<210> 4

<211> 11

<212> PRT

<213> Artificial

<400> 4

Ser Arg Gly Asp Tyr Met Thr Met Gln Ile Gly
1 5 10

<210> 5

<211> 11

<212> PRT

<213> Artificial

<400> 5

Glu Lys Arg Pro Ser Gln Arg Ser Lys Tyr Leu
1 5 10

<210> 6

<211> 10

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (5)..(5)

<223> PHOSPHORYLATION

A24
cond

<400> 6

Glu Lys Arg Pro Ser Arg Ser Lys Tyr Leu
1 5 10

<210> 7

<211> 10

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (8)..(8)

<223> PHOSPHORYLATION

<400> 7

Glu Lys Arg Pro Ser Gln Arg Ser Tyr Leu
1 5 10

<210> 8

<211> 9

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (5)..(5)

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (7)..(7)

<223> PHOSPHORYLATION

<400> 8

Glu Lys Arg Pro Ser Arg Ser Tyr Leu
1 5

<210> 9

<211> 14

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (11)..(11)

<223> PHOSPHORYLATION

A24
COND

<400> 9

Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser Tyr Arg Lys
1 5 10

<210> 10
<211> 11
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (7)..(7)
<223> PHOSPHORYLATION

<400> 10

Lys His Phe Pro Gln Phe Ser Tyr Ser Ala Ser
1 5 10

<210> 11
<211> 11
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (1)..(1)
<223> PHOSPHORYLATION

<400> 11

Ser Pro Glu Leu Glu Arg Leu Ile Ile Gln Cys
1 5 10

<210> 12
<211> 11
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (9)..(9)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (11)..(11)
<223> PHOSPHORYLATION

Asp
cons

<400> 12

Gly Ser Pro Ser Val Arg Cys Ser Ser Met Ser
1 5 10

<210> 13
<211> 11
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (6)..(6)
<223> PHOSPHORYLATION

<400> 13

Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr
1 5 10

<210> 14
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (2)..(2)
<223> PHOSPHORYLATION

<400> 14

Leu Thr Pro Leu Lys
1 5

<210> 15
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (2)..(2)
<223> PHOSPHORYLATION

<400> 15

Phe Thr Pro Leu Gln
1 5

A24
cond

<210> 16
<211> 8
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (4)..(4)
<223> PHOSPHORYLATION

<400> 16

Arg Lys Arg Thr Leu Arg Arg Leu
1 5

<210> 17
<211> 7
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (5)..(5)
<223> PHOSPHORYLATION

<400> 17

Leu Arg Arg Ala Ser Leu Gly
1 5

<210> 18
<211> 12
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION

<400> 18

Lys Lys Leu Asn Arg Thr Leu Ser Val Ala Ser Leu
1 5 10

<210> 19
<211> 7
<212> PRT
<213> Artificial

<220>

AR24
con's

<221> MOD_RES
<222> (6)..(6)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (7)..(7)
<223> AMIDATION

<400> 19

Arg Pro Arg Ala Ala Thr Phe
1 5

<210> 20
<211> 7
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (5)..(5)
<223> PHOSPHORYLATION

*Arg
comb*
<220>
<221> MOD_RES
<222> (7)..(7)
<223> AMIDATION

<400> 20

Leu Arg Arg Ala Ser Leu Gly
1 5

<210> 21
<211> 16
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (2)..(2)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (13)..(13)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (16)..(16)
<223> AMIDATION

<220>
<221> MOD_RES
<222> (1)..(1)
<223> LUMINESCENT LABEL CONJUGATION

<400> 21

Ala Tyr Thr Gly Leu Ser Thr Arg Asn Gln Glu Thr Tyr Ala Thr His
1 5 10 15

<210> 22
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (1)..(1)
<223> LUMINESCENT LABEL CONJUGATION

<220>
<221> MOD_RES
<222> (1)..(1)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (2)..(2)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (3)..(3)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (5)..(5)
<223> AMIDATION

<400> 22

Tyr Tyr Tyr Ile Glu
1 5

A24
Cans

<210> 23
<211> 16
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (1)..(1)
<223> LUMINESCENT LABEL CONJUGATION

<220>
<221> MOD_RES
<222> (2)..(2)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (13)..(13)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (16)..(16)
<223> AMIDATION

<400> 23

Gly Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu
1 5 10 15

<210> 24
<211> 13
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (7)..(7)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (1)..(1)
<223> LUMINESCENT LABEL CONJUGATION

<400> 24

Arg Phe Ala Arg Lys Gly Ser Leu Arg Gln Lys Asn Val

A24
Cons

1 5 10

<210> 25
<211> 7
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (1)..(1)
<223> LUMINESCENT LABEL CONJUGATION

<400> 25

Leu Arg Arg Ala Ser Leu Gly
1 5

<210> 26
<211> 16
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (2)..(2)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (13)..(13)
<223> PHOSPHORYLATION

<220>
<221> MOD_RES
<222> (16)..(16)
<223> AMIDATION

<400> 26

Ala Tyr Thr Gly Leu Ser Thr Arg Asn Gln Glu Thr Tyr Ala Thr His
1 5 10 15

<210> 27
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (1)..(1)

A24
cond

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (2)..(2)

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (3)..(3)

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (5)..(5)

<223> AMIDATION

<400> 27

Tyr Tyr Tyr Ile Glu
1 5

<210> 28

<211> 16

<212> PRT

<213> Artificial

<220>

<221> MOD_RES

<222> (2)..(2)

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (13)..(13)

<223> PHOSPHORYLATION

<220>

<221> MOD_RES

<222> (16)..(16)

<223> AMIDATION

<400> 28

Gly Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu
1 5 10 15

<210> 29

A24
cons

<211> 10
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (5)..(5)
<223> PHOSPHORYLATION

<400> 29

Glu Lys Arg Pro Ser Arg Ser Lys Tyr Leu
1 5 10

<210> 30
<211> 10
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (8)..(8)
<223> PHOSPHORYLATION

<400> 30

Glu Lys Arg Pro Ser Gln Arg Ser Tyr Leu
1 5 10

<210> 31
<211> 16
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (16)..(16)
<223> AMIDATION

<400> 31

Ala Tyr Thr Gly Leu Ser Thr Arg Asn Gln Glu Thr Tyr Ala Thr His
1 5 10 15

<210> 32
<211> 5
<212> PRT
<213> Artificial

<220>
<221> MOD_RES

A24
cons

<222> (5)..(5)
<223> AMIDATION

<400> 32

Tyr Tyr Tyr Ile Glu
1 5

<210> 33
<211> 16
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (16)..(16)
<223> AMIDATION

<400> 33

Gly Tyr Asn Glu Leu Asn Leu Gly Arg Arg Glu Glu Tyr Asp Val Leu
1 5 10 15

<210> 34
<211> 10
<212> PRT
<213> Artificial

<400> 34

Glu Lys Arg Pro Ser Arg Ser Lys Tyr Leu
1 5 10

<210> 35
<211> 10
<212> PRT
<213> Artificial

<400> 35

Glu Lys Arg Pro Ser Gln Arg Ser Tyr Leu
1 5 10

<210> 36
<211> 9
<212> PRT
<213> Artificial

<400> 36

Glu Lys Arg Pro Ser Arg Ser Tyr Leu

A24
Cons

1 5

<210> 37
<211> 14
<212> PRT
<213> Artificial

<400> 37

Lys Arg Arg Glu Ile Leu Ser Arg Arg Pro Ser Tyr Arg Lys
1 5 10

<210> 38
<211> 11
<212> PRT
<213> Artificial

<400> 38

Lys His Phe Pro Gln Phe Ser Tyr Ser Ala Ser
1 5 10

<210> 39
<211> 11
<212> PRT
<213> Artificial

<400> 39

Ser Pro Glu Leu Glu Arg Leu Ile Ile Gln Cys
1 5 10

<210> 40
<211> 11
<212> PRT
<213> Artificial

<400> 40

Gly Ser Pro Ser Val Arg Cys Ser Ser Met Ser
1 5 10

<210> 41
<211> 11
<212> PRT
<213> Artificial

<400> 41

Arg Ser Arg His Ser Ser Tyr Pro Ala Gly Thr
1 5 10

A24
Con's

<210> 42
<211> 5
<212> PRT
<213> Artificial

<400> 42

Leu Thr Pro Leu Lys
1 5

<210> 43
<211> 5
<212> PRT
<213> Artificial

<400> 43

Phe Thr Pro Leu Gln
1 5

<210> 44
<211> 8
<212> PRT
<213> Artificial

<400> 44

Arg Lys Arg Thr Leu Arg Arg Leu
1 5

<210> 45
<211> 7
<212> PRT
<213> Artificial

<400> 45

Leu Arg Arg Ala Ser Leu Gly
1 5

<210> 46
<211> 12
<212> PRT
<213> Artificial

<400> 46

Lys Lys Leu Asn Arg Thr Leu Ser Val Ala Ser Leu
1 5 10

<210> 47

A24
Cons

<211> 7
<212> PRT
<213> Artificial

<220>
<221> MOD_RES
<222> (7)..(7)
<223> AMIDATION

<400> 47

Arg Pro Arg Ala Ala Thr Phe
1 5

<210> 48
<211> 7
<212> PRT
<213> Artificial

*A24
can's*
<220>
<221> MOD_RES
<222> (7)..(7)
<223> AMIDATION

<400> 48

Leu Arg Arg Ala Ser Leu Gly
1 5
